

# HUBBELL Power Systems

## EVP Arrester (70 kV MCOV / Uc)

By OHIO BRASS

Catalog # [EVP0070003001](#)

IEEE Station Class / IEC Station Medium Polymer Housed Surge  
Arrester



Features

- EVP solid core station arresters comply with the latest revision of IEEE C62.11 and IEC 60099-4
- Long lasting ESP™ housing material with superior mechanical strength and electrical characteristics
- Robust sealing system protects internal components from moisture ingress to extend service lifetime
- High quality MOV discs made in Wadsworth, Ohio since 1978
- Assembled in Aiken, South Carolina
- 100% routine tested

General

Cantilever Bending Strength - Max.	20,000 lb.
Catalog Number	EVP0070003001
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	ESP™ Polymer Housing
Mounting Hardware	Single Eyebolt Terminals
Mounting Position	Upright
Type	Station
UPC	096359498414

Dimensions

Diameter - Bolt Circle Variable	8.75 to 10 in
Diameter - Lug Hole	.56 in (14.224 mm)
Diameter - Single Bolt Hole(s)	0.5 in
Dimensions	41.500 in x 15.750 in x 19.500 in
Height	19.5 in
Length	41.5 in
Maximum Operating Altitude	12000 ft
Minimum Mounting Spacing on Center (Sea Level) - Phase to	23.7 in (602 mm)
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	30.5 in (775 mm)
Thickness - Lug	1.25 in (31.75 mm)
Weight	59 lb
Width	15.75 in

Electrical Ratings

Creep and Leakage Distance	123 in (3124 mm)
----------------------------	------------------

Duty Cycle	90 kV
Frequency Rating	48-62 Hz
MCOV	70 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	242 kV
Maximum Discharge Voltage	<ul style="list-style-type: none"><li>• 183.5 kV @ 1.5 kA</li><li>• 192.8 kV @ 3 kA</li><li>• 202.2 kV @ 5 kA</li><li>• 216.9 kV @ 10 kA</li><li>• 234.5 kV @ 20 kA</li><li>• 267.5 kV @ 40 kA</li></ul>
Maximum Switching Surge Protective Level @ 500A	172 kV
Pressure Relief Capability-Symmetrical rms (kA)	63
Withstand Voltage - 60 Hz Wet Impulse	275 kV
Withstand Voltage - Lightning Impulse	631 kV
Withstand Voltage - Switching Impulse	529 kV

Certifications And Compliance

Buy America(n) Qualified	TAA Compliant (All status valid till December 2024)
Industry Standard(s)	IEEE/IEC

Logistics

Carton Quantity	3
-----------------	---

Product Assets

- [Catalogs - Station Class Surge Arresters IEEE and IEC](#)
- [Installation Manuals - EVP Polymer Station Class Arrester Installation Instructions](#)
- [ISO Certificates - ISO 14001:2015 - Hubbell Power Systems Inc.](#)
- [Literature - Polymer Station Arrester](#)
- [Literature - Application Guide: Metal-oxide Surge Arresters for use on AC systems](#)
- [Sales Drawings - EVP0070003001](#)
- [Specifications - Specification for Solid Core IEC Station Class Arresters](#)
- [Specifications - EVP0070003001](#)
- [Video - Hubbell Power Systems Metal Oxide Varistor](#)